Tuesday, 12/5/2006 8:20:22 AM Date Kim Johnston User: **Process Sheet Drawing Name** : BRACKET ASSEMBLY : CU-DAR001 Dart Helicopters Services Customer Job Number : 29821 **Estimate Number** : 10291 : NIA : D3183044 **Part Number** P.O. Number S.O. No. : 1/12 : D3183 REV C1 : 12/5/2006 **Drawing Number** This Issue : N/A **Project Number** Prsht Rev. Type : MACHINED PARTS **Drawing Revision** First Issue : 28829 Material **Previous Run** Each : 1/5/2007 Qty: 8 Um: **Due Date** Written By Checked & Approved By New issue KJ/DS Comment **Additional Product** Job Number: Description: Seq. #: **Machine Or Operation:** 1.0 17-4 SS Bar Comment: Qty.: 0.4812 f(s)/Unit Total: 3.8497 f(s) Material: 17-4 SS Bar per AMS 5604/5643 (M17-4-B1.500x02.000) Identify for D3183-4 BAND SAW BAND SAW 2.0 Comment: BAND SAW Cut blanks: (1.500" x 2.000") 5.500" long 3.0 HAAS CNC VERTICAL MACHINING # HAAS1 Comment: HAAS CNC VERTICAL MACHINING #1 1-Machine D3183-4 as per Folio FA322 and Dwg D3183 Identify as D3183-4 2-Deburr 3-Scribe batch number 4.0

Comment: INSPECT PARTS AS THEY COME OFF MACHINE

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W/O:		WORK ORDER CHANGES						
DATE	STEP		PROCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
		ta e e						:

Part No: _	 PAR #:	Fault Category:	NCR: Yes No	DQA:	Date: 07/01/19
		•	QA: N/C C	losed:	Date:

NCR: WORK ORDER NON-CONFORMANCE (NCR)								
		Description of NC		Corrective Action Section B		Verification	A ======	Approval
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Approval Chief Eng	QC Inspector
ozloilib	3	the drill broke inside the siece.	OSIUZ	Scrapi replace	orlower.	10701-17	651042	07-01-17
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NOTE: Date & initial all entries

Tuesday, 12/5/2006 8:20:22 AM Date: User: Kim Johnston **Process Sheet** Drawing Name: BRACKET ASSEMBLY Customer: CU-DAR001 Dart Helicopters Services Part Number: D3183044 Job Number: 29821 Job Number: Description: **Machine Or Operation:** Seq. #: SECOND CHECK 5.0 Comment: SECOND CHECK D312121 Bolt 6.0 2.0000 Each(s)/Unit Total: 16.0000 Each(s) Comment: Qty.: Pick: Description Batch **Qty Part Number** Bolt <u>B29828</u> 2 D3121-21 and 07/01/17 7.0 D3183045 Bearing Assembly Comment: Qty.: 2.0000 Each(s)/Unit Total: 16.0000 Each(s) Pick: **Qty Part Number** Description Batch 2 D3183-045 Bearing Ass 1330254 SMALL & MEDIUM FAB RESOURCE 8.0 Comment: SMALL & MEDIUM FAB RESOURCE 1 Assemble D3183-043 as per Dwg D3183. INSPECT WORK TO CURRENT STEF 9.0 QC5 Comment: INSPECT WORK TO CURRENT STEP B PACKAGING RESOURCE #1 PACKAGING 1 10.0 Comment: PACKAGING RESOURCE #1 Identify and Stock Location: <u>54 41</u>2 11.0 QC21 Comment: FINAL INSPECTION/W/O RELEASE CL07/01/19 Job Completion

Dart Aerospace Ltd

	P									
W/O:		WORK ORDER CHAI	WORK ORDER CHANGES							
DATE	STEP	PROCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector			
		·								
Part No:		PAR #: Fault Category:	NCR: Yes	No D	QA:	Date: _				
			QA: I	N/C Clos	ed:	Date: _				
NOD		WORK ORDER NON-CONFOR	MANCE (NC	R)		•				

	,	WORK ORDER NON-CONFORMANCE (NCR)								
	Description of NC		Corrective Action Section B		Varification	Ammanal	A ========			
STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Chief Eng	Approval QC Inspecto			
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	STEP	STED Description of NC	STEP Description of NC Section A Initial	STEP Description of NC Section A Initial Action Description	STEP Description of NC Section A Initial Action Description Sign &	STEP Description of NC Section A Initial Action Description Sign & Section C	STEP Description of NC Section A Possible Section A Possible Section A Possible Section C Sectio			

NOTE: Date & initial all entries

DART AEROSPACE LTD	Work Order:	29821
Description: Bracket	Part Number:	D3183-4
Inspection Dwg: D3183 Rev: C1		Page 1 of 1

FIRST ARTICLE INSPECTION CHECKLIST

X First Article	Prototype
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Drawing		Actual		Daires	Method of	Comments
Dimension	Tolerance	Dimension	Accept	Reject	Inspection	Comments
R0.190	+/-0.030	6190				
R0.063	+/-0.010	R.063				
0.182	+/-0.010	.183				
0.070	+/-0.010	070				
0.100	+/-0.010	100	1			
Ø0.201 x 0.100	+/-0.010	0.20 1x100	//			
0.182	+/-0.010	-183				
5.32	+/-0.030	5.320	/			
5.036	+/-0.010	5033	0			
2.120	+/-0.010	2,120				
1.290	+/-0.010	1.250				
0.365	+/-0.010	- 365				
0.218	+/-0.010	-218	/,			
1.030	+/-0.010	1-030				
1.90	+/-0.030	1.50				
1.012	+/-0.010	1-012	/,			
Ø0.201 x 0.100	+/-0.010	9,201 X 10	7			
0.182	+/-0.010	-/82				
0.786	+/-0.010	.776	/			
Ø0.392	+0.002/-0.000	0592				
R0.19	+/-0.030	P-190				
3.954	+/-0.010	3,9,54				
0.162	+/-0.010	162				
R0.19	+/-0.030	1.190				
R0.25	+/-0.030	2003	1			
4.26	+/-0.030	4260				
2.800 Calculated dimension	+/-0.030	2,810				
0.162	+/-0.010	.162				
0.615	+/-0.010	.610				<u> </u>
0.435	+/-0.010	.435				
0.200	+/-0.010	200	/			
0.381	+/-0.010	. 380				
0.032	+/-0.010	.032				

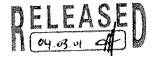
Measured by:	Audited by:	Prototype Approval:	N/A
Date: Of Olis	Date: 07/01/15	Date:	N/A

Date	Change	Revised by	Approved
03.11.12	New Issue P/O D3183-044	KJ/RF	
04.03.15	Changes as per revision C	KJ/JLM/RF	
04.06.15	Dimension 2.800 was 2.080; removed 1.155, 0.36 dimensions	KJ/JLM	
06.03.09	Dwg Rev update	KJ/JLM OK	
)	03.11.12 04.03.15 04.06.15	New Issue P/O D3183-044 14.03.15 Changes as per revision C 14.06.15 Dimension 2.800 was 2.080; removed 1.155, 0.36 dimensions	3.11.12 New Issue



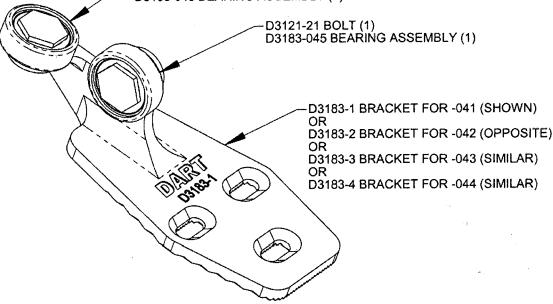


DESIGN	DRAWN BY	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA				
CHECKED	APPROVED	DRAWING NO.	REV. C			
DATE 04 .	02.17	BRACKET ASSEMBLY	SCALE 1:1			

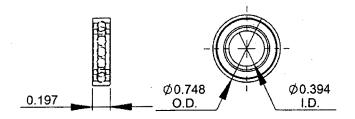


04.02.17		BRACKET ASSEMBLY	1:1
Α.	03.01.24	NEW ISSUE	
В	03.06.17	REMOVE BEARING; 1.012 WS 0.882	
С	,04.02.17	ADD -045/-9; 0.182 WAS 0.431	
CI	-11- 04.11.09	0.830 WAS 0.850	

D3121-21 BOLT (1) D3183-045 BEARING ASSEMBLY (1)



D3183-041 BRACKET ASSEMBLY (SHOWN) D3183-042 BRACKET ASSEMBLY (OPPOSITE) D3183-043 BRACKET ASSEMBLY (SIMILAR)



D3183-5 BEARING: SPECIFICATION CONTROL DRAWING

- 1) SINGLE ROW, DEEP GROOVE, CONRAD TYPE, SHIELDED 2) POSSIBLE SUPPLIER: NSK P/N 6800ZZ
- 3) ALL DIMENSIONS ARE IN INCHES

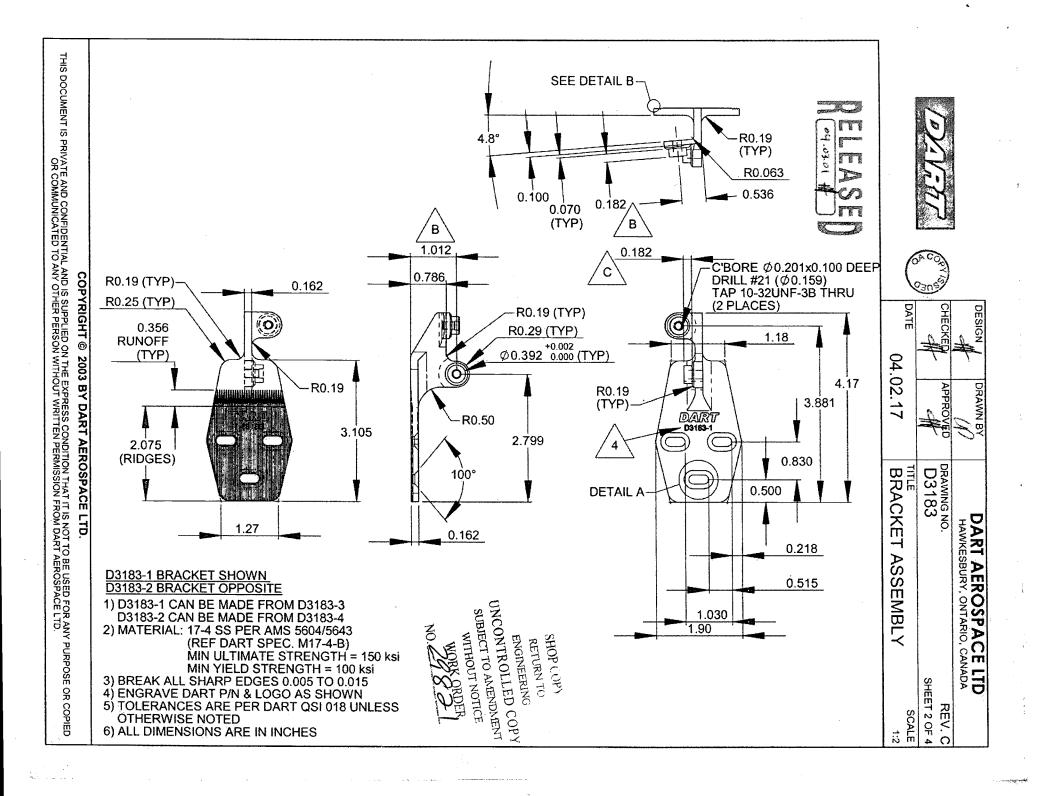
0.052 ±0.005 0.005 +0.005 0.000 I.D Ø0.600 O.D.

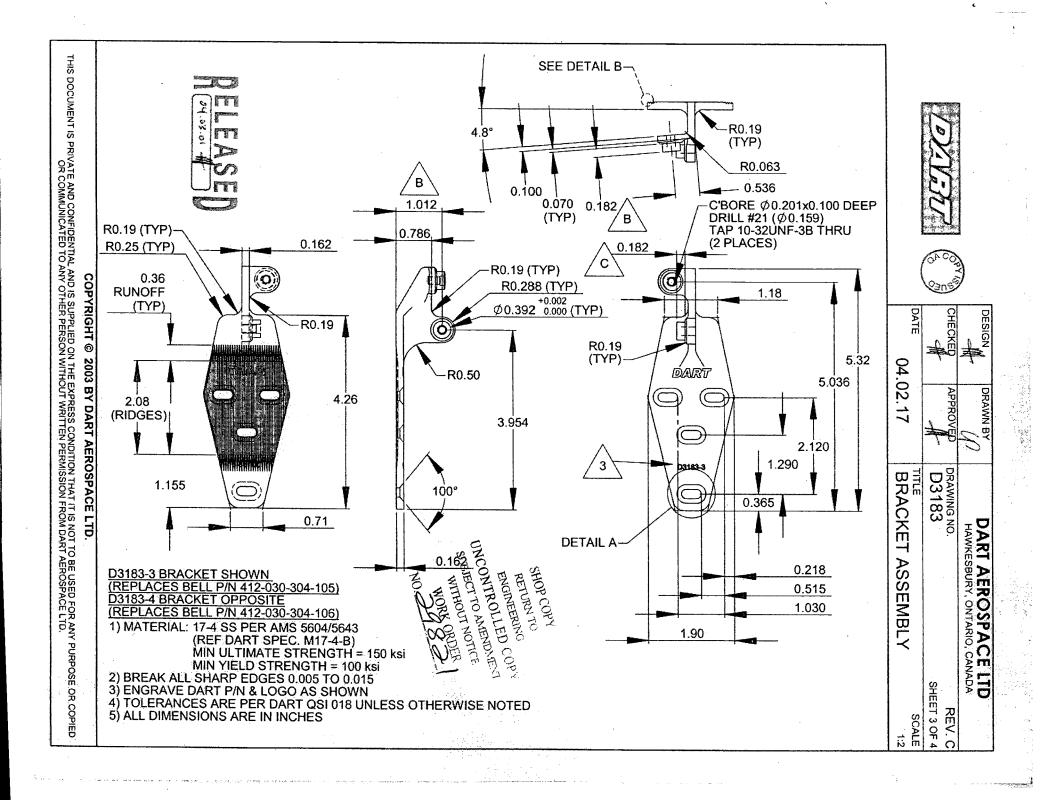
D3183-7 WASHER

- 1) MATERIAL: AISI 303 ROUND BAR (M303R) TO ANNEALED RETURN TO RETURN TO ANNEALED
- 2) BREAK ALL SHARP EDGES 0.005 TOOM TO CO 3) TOLERANCES ARE PER DART OS 1018 OLLED CO UNLESS OTHERWISE NOTED NOUNT AMENDME
- 4) ALL DIMENSIONS ARE IN INCHESIECT TO AMENDINE WITHOUT NOTICE

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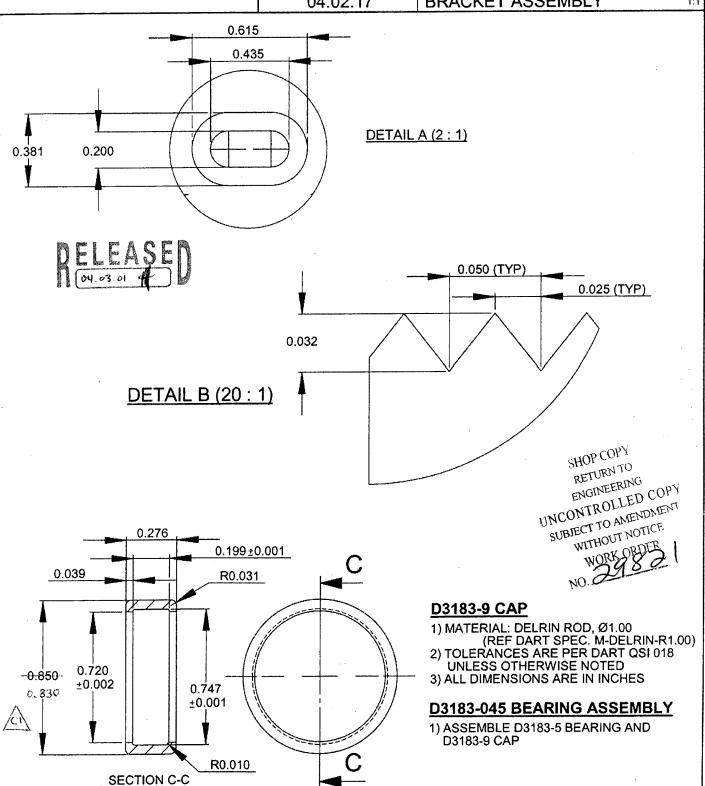




SCALE 2:1



	DESIGN	DRAWN BY	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
	10	4		
1	CHECKED	APPROVED	DRAWING NO.	REV. C
)	9		D3183	SHEET 4 OF 4
	DATE		TITLE	SCALE
	04.02.17		BRACKET ASSEMBLY	1:1



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